

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 9478WO/UR		FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/SE 2003/001984		International filing date (day/month/year) 16-12-2003	Priority date (day/month/year) 19-12-2002
International Patent Classification (IPC) or national classification and IPC G06F 9/46			
Applicant ABB AB et al			
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>5</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows:</p> <p><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p> <p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>			
Date of submission of the demand 30-06-2004		Date of completion of this report 04-04-2005	
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. +46 8 667 72 88 Form PCT/IPEA/409 (cover sheet) (January 2004)		Authorized officer Oskar Pihlgren/MN Telephone No. +46 8 782 25 00	

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/2003/001984

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

- ☐ This report is based on a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3 and 23.1(b))
 - ☐ publication of the international application (under Rule 12.4)
 - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

- ☒ the international application as originally filed/furnished
- ☐ the description:
- pages _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ the claims:
- pages _____ as originally filed/furnished
- pages* _____ as amended (together with any statement) under Article 19
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ the drawings:
- pages _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to the sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to the sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/92/003/001984

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>1-13</u>	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	<u>1-13</u>	NO
Industrial applicability (IA)	Claims	<u>1-13</u>	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

Cited documents

D1: US 2002/0059470 A1
D2: EP 0969389 A2
D3: WO 01/02953 A1
D4: EP 1220507 A1

Statement

D1, which is considered to be the prior-art-cited-document most closely related to the present invention, discloses a method and system for invoking by a client computer system of a function of an object of an object class provided by a server. The client sends a request to a server that comprises a Universal Resource Locator that identifies a script, an object class and a function of the object class to invoke. The function is executed on the server side and a response is sent to the client (see abstract and figure 1). As a part of the HTTP-request from the client User-Agent-data is sent that identifies which kind of browser initiated the request (see figure 10).

D2 describes a method for generating an interface for a client that is adapted to the characteristics of the client (see abstract). Information about different properties for different clients, such as the size of the display, the resolution etc is stored in a database. Information about the type of client is transmitted with a HTTP-request in the field User-Agent. By using this information the system can retrieve the properties of the client and adapt the interface.

.../...

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: BOX V

What is claimed in claims 1, 2, 4, 5, 8, 10, 12 and 13 differs from the system and method disclosed in D1 by the following features:

- The URL-address refers to an Aspect Object and an Aspect, whereas the address in D1 refers to an object class and a function at the object.
- The response is adapted to the properties of the client by using context information.

It is considered to be obvious to a person skilled in the art with knowledge of D1 to realize that the technique to use a function at an object with an URL-address is applicable regardless of how the object is implemented. Furthermore, the technique with Aspect Objects is well known in prior-art, such as D3. Therefore the use of Aspect Objects does not solve any problem besides what is solved by D1.

To adapt a response message to the properties of the client, has the advantage that different kinds of clients automatically can receive a response message that is properly formatted regarding the size of the display, the resolution etc.

However, the technique to format a response message so that it is adapted to the client, is well known in prior-art such as D2. In this document the field User-Agent can be used for sending information about the client, see figure 5.

A person skilled in the art, who seeks a solution to the problem to automatically adapt the response message to different kinds of clients, will find that solution in D2. D2 also teaches that information in the User-Agent field can be used for finding information about the properties of the client and thereby adapt the response. Since the User-Agent field is used in both D1 and D2, and no unexpected technical effects arise, it is considered obvious to a person skilled in the art to combine D1 and D2 and thereby arrive at the solution described in claims 1, 2, 4, 5, 8, 10, 12 and 13. What is claimed in these claims is therefore considered to lack an inventive step.

What is claimed in claims 3, 6, 7, 9 and 11 is considered to be only minor accessory technical details which are obvious to a person skilled in the art and which in themselves disclose nothing inventive.

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE 003/001984

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of: BOX V

To summarize, the invention according to claims 1-13 is novel but considered to lack an inventive step. The invention has industrial applicability.